

Report about EBAME8 workshop

Attendee: **Fluvio Modolon da Silva**



Photo by Ana Butarelli: Fluvio attending on EBAME8.

Description of the activity

The 8th EBAME (Emerging Bioinformatics Approaches for Microbial Ecogenomics) workshop took place in Brest, France, and was hosted by the European Institute for Marine Sciences at Brest University. The workshop occurred from October 21 to November 4, 2023, and it focused on various valuable and current practices related to targeting genome-resolved metagenomics. These practices included the recovery of population genomes from metagenomes through manual binning, analysis of micro-diversity through single-nucleotide variants, strain deconvolution, comparative genomics, and pangenomics. The workshop also covered the application of functional network theory to metagenomic data, metabolic reconstruction, and data visualization. In addition, we delved into the state-of-the-art theory of sequencing long reads with hands-on sessions for assembly and workflow. All theories and practices were focused on prokaryotic and viral metagenomes.

Additionally, EBAME8 held significant importance in fostering collaboration and networking among early-career scientists in the field of microbial ecology. Forty participants were selected to commit in 2023. This workshop provided a unique platform for emerging researchers to delve into cutting-edge practices related to genome-resolved metagenomics and gain hands-on experience. The emphasis on such topics allowed participants to expand their knowledge and skills. By bringing together a diverse group of participants, EBAME8 facilitated the exchange of ideas, knowledge, and collaborative opportunities, contributing to the growth and strengthening of the microbial ecology community and nurturing the next generation of scientists in this crucial field.



Photo by Lois Maignien: Attendees on EBAME8.

ISME Scholar Program support

From the ISME fund, I received €1,500.00, which was first used to pay the workshop registration and housing fees (€850.00 in total). The remaining money (€650.00) was used to partially cover the flight tickets from Brazil (Sao Paulo) to France (Brest).

I have been actively promoting and highlighting ISME through various channels. Prior to the event, I leveraged my social media presence (Twitter) and academic network to share updates and excitement about my participation in the workshop and the support received from ISME's Scholar Program Fund. During the event, I prominently displayed the ISME logo and acknowledged their sponsorship in my presentation materials. Additionally, I engaged with fellow attendees discussing the valuable opportunities ISME offers to Early Career Scientists, encouraging them to join the community.